



Division of

SIGMA TEST
& RESEARCH CENTRE



The background of the slide features a blurred image of a laboratory. On the left, there are large, white and blue industrial machines, possibly autoclaves or storage units. In the center and right, there are glass beakers and flasks containing liquids of various colors (yellow, green, blue). The overall lighting is bright and clean, typical of a modern lab environment.

About us

Imagination is threaded into the very fabric of science and technology. It is the inspiration behind new thoughts and ideas for doing and creating things that once seemed impossible.

SGM lab solutions an initiative of sigma test and research center is aimed at providing its clients technology that is conducive to fast changing environment and backed by a group of professionals who have dedicated its formative years in quality control across various industries.

As professionals and experts we understand how important it is to choose right solution for instruments, reagents and lab consumables. SGM lab solutions came on floor to provide its clients a 360 degree lab solution.

Since its inception SGM lab solutions has displayed a visionary understanding of emerging opportunities in the field of quality control and our team is committed to provide products that not only satisfy customer needs but also add value to equipment investment by insuring reliability, low maintenance and reduced breakdown.

Lab Set up

SGM offers more than just equipment and supplies for your in-house lab—we offer expertise, turn-key solutions and a continuing partnership for success. We put our extensive experience designing and equipping labs to work for your patients and your office today. Our team works together for you to shape your dreams into creating a world class lab. So if you are a lab manager, facilities manager, Engineer or contractor who is planning, budgeting, or setting up a new lab or expanding existing facilities, we can help with tailored solutions that meet your specific requirements.

The products delivered by us have carved a niche in Domestic as well as International market. The growing demand of our products testifies our claims of being the prime manufacturer and Exporter of Laboratory Instruments and Scientific Equipment.

SGM Laboratories are engaged in major dissemination efforts across their regions to share the latest findings and reviews of "what works" to improve educational outcomes. The SGM events are innovative, interactive forums with education practitioners, policymakers, and researchers.

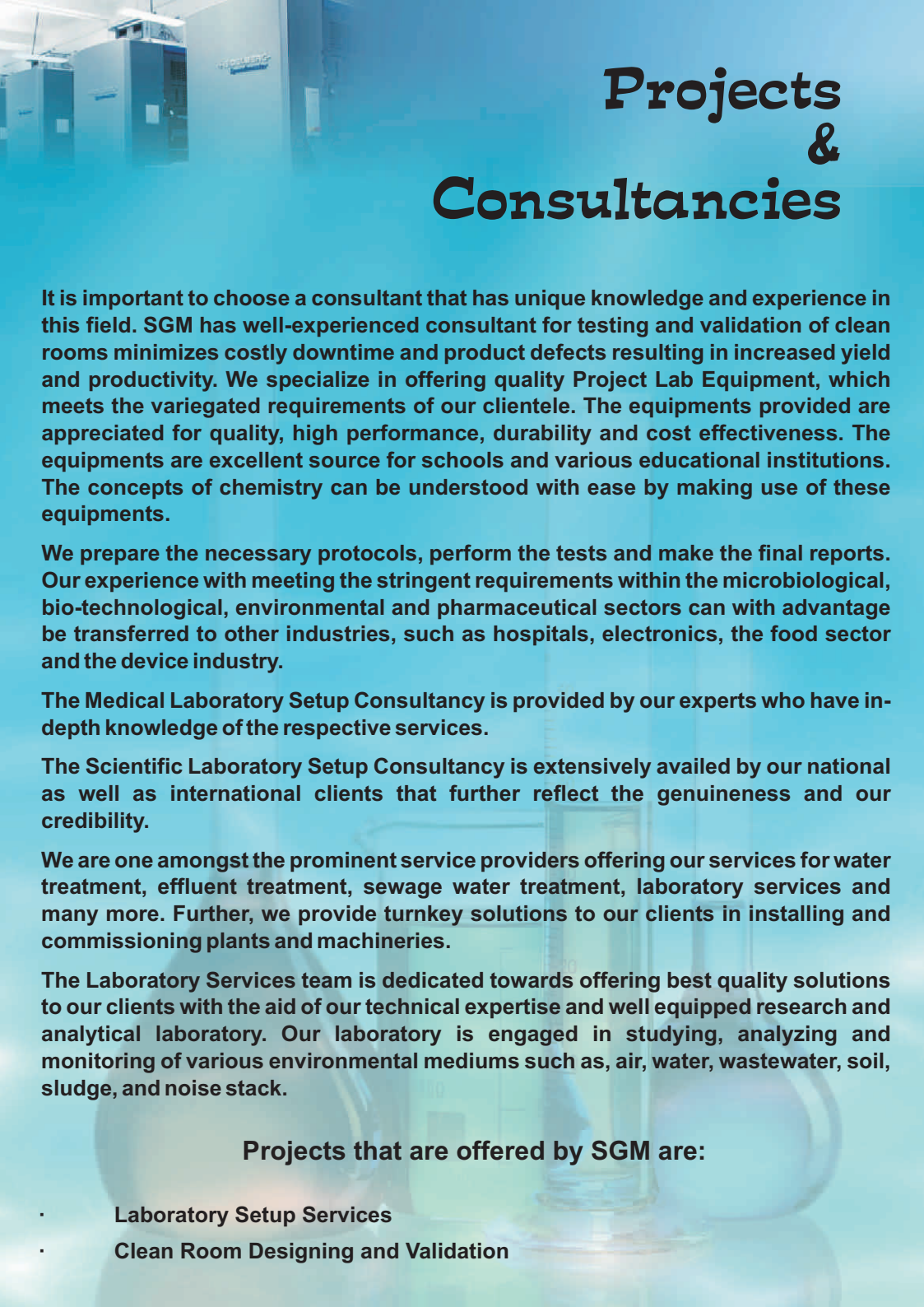
SGM is a laboratory service primarily dedicated to the design, implementation and conduct of environmental monitoring programs and compendia microbiological testing.

We can help coordinate the procurement, delivery, and installation of a fully operational laboratory. You gain access to a staff of experts experienced in new lab setup, as well as sourcing for the majority of your equipment and Instrumentation needs.

You just need to give us an idea of what your lab will be doing and we will do the rest for you.

SGM is into trade of different types of lab:

- Medical lab
- Educational lab
- Microbiology lab
- Entomology lab
- Agril engineering lab
- Nuclear research lab
- Building material test lab
- Coal testing lab
- Environmental testing lab
- Metal testing lab
- Food/Agro testing lab
- Oil & petroleum testing lab
- Soil/water testing lab
- Pesticides testing lab
- Paper& packaging testing lab
- Calibration lab setup
- Mechanical testing lab
- Wood testing lab
- Electrical testing lab

The background of the page features a light blue gradient with faint, semi-transparent images of laboratory equipment. In the top left, there are large, white industrial-looking machines. In the bottom center, there are several glass beakers and flasks, some containing liquids, arranged on a surface.

Projects & Consultancies

It is important to choose a consultant that has unique knowledge and experience in this field. SGM has well-experienced consultant for testing and validation of clean rooms minimizes costly downtime and product defects resulting in increased yield and productivity. We specialize in offering quality Project Lab Equipment, which meets the variegated requirements of our clientele. The equipments provided are appreciated for quality, high performance, durability and cost effectiveness. The equipments are excellent source for schools and various educational institutions. The concepts of chemistry can be understood with ease by making use of these equipments.

We prepare the necessary protocols, perform the tests and make the final reports. Our experience with meeting the stringent requirements within the microbiological, bio-technological, environmental and pharmaceutical sectors can with advantage be transferred to other industries, such as hospitals, electronics, the food sector and the device industry.

The Medical Laboratory Setup Consultancy is provided by our experts who have in-depth knowledge of the respective services.

The Scientific Laboratory Setup Consultancy is extensively availed by our national as well as international clients that further reflect the genuineness and our credibility.

We are one amongst the prominent service providers offering our services for water treatment, effluent treatment, sewage water treatment, laboratory services and many more. Further, we provide turnkey solutions to our clients in installing and commissioning plants and machineries.

The Laboratory Services team is dedicated towards offering best quality solutions to our clients with the aid of our technical expertise and well equipped research and analytical laboratory. Our laboratory is engaged in studying, analyzing and monitoring of various environmental mediums such as, air, water, wastewater, soil, sludge, and noise stack.

Projects that are offered by SGM are:

- Laboratory Setup Services
- Clean Room Designing and Validation

The background of the slide features a light blue gradient with a faint, semi-transparent image of laboratory equipment. On the left, there are large, white, rectangular pieces of equipment, possibly environmental chambers or clean room components. On the right, there are several glass flasks and beakers, some containing liquids, arranged in a way that suggests a scientific or laboratory setting.

Training

Employee Training and Development is essential to the ongoing success of every organization. Although technology and the internet have enabled global collaboration and competition, people are the organization's competitive advantage. Employee training and development enables employees to develop skills and competencies necessary to enhance bottom-line results for their organization. You will receive full training and the opportunity to undergo recognised qualifications in recruitment practice of our lab equipments. Our experience and insight can shorten your development cycle and free you to focus on other areas.

Trainers, be they national or international, can select and customize the available materials in order to design and set up workshops that fit the local training needs of their target audiences. Conferences, seminars, workshops, and teleconferences are also utilized for providing such training. We also prefer onsite management training, often customized to meet their specific needs and goals. These training opportunities, offered one-on-one or in small groups, help develop leadership and communication skills among their scientists and improve performance by increasing awareness and acceptance for implementing necessary changes.

For manufacturing requirements we provide complete project management including design, construction, support, and installation. Our hard wall clean room system combines the need for a flexible solution with the request for durability and flush surfaces.

We work with your leadership team to identify training needs, and to design, develop, implement, and evaluate employee training and development programs to meet your company's strategic objectives.

- SGM's employees have been trained in Good Documentation Practice.**
- To guarantee our client a product that is in compliance with international and national standards.**
- We arrange training courses on clean room testing and validation, just as our employees are speakers at national and international platforms.**

The background of the entire page is a photograph of industrial clean room equipment, specifically large blue and white HVAC units or air handling systems, arranged in a row.

Clean Room Projects

SGM is always here to serve you with all its years of clean room construction experience if you are looking for reliable Clean Room firm, to install a fully insulated cold store or pharmaceutical clean room. We provide clients with customized cleanroom and HVAC solutions that not only meet but also exceed their expectations. We are well reputed for our superior service and on-schedule delivery. We design, supply and install complete clean room sandwich panels for Pharmaceutical and Electronic facilities.

We are involved in every aspect of cleanroom technologies, including the conception, designing, engineering, planning, execution and the servicing of cleanrooms.

Our wall systems interface smoothly with floors, ceilings, and mechanical components to provide an ultra-clean environment with effective control of Airflow, Pressure, Temperature, Humidity, and Filtration.

We provide Cleanrooms Class 1 00 000 to Class 10 the all in one turnkey projects for various application.

SGM offers full clean room validation testing to ISO 14644 and Federal Standard 209E requirements. From a laminar flow module to multi-scale HEPA filter installation SGM provides validation documentation to international standards.

Features:

- | | | |
|----------------------|----------------------------|---------------------|
| · Metal Construction | · Full-ceiling HEPA filter | · Leak-free ceiling |
| · Energy Efficient | · Unidirectional air flow | · Versatile Design |
| · Easy to maintain | · Rapid Installation | |

SGM provides Applications of Clean Room in following

Pharmaceutical Industry:

Clean room technology has become essential for the global market players in pharmaceutical industry. SGM goes beyond providing robust clear rooms with energy wise operating systems. We are capable of designing, supply of equipment, accessories in relate to the HVAC and environments, installation at site, commission, testing and providing the necessary certification and validation documents in order to meet various regulatory requirements.

Electronic Industry:

Static Electricity free modular panel environment coupled with controlled temperature and humidity make the successful product in the electronic industry.

Our clean rooms are equipped with concise technology such as scanners, high-speed fans and air ducts. These rooms are constructed of sealed materials to prevent migration of contaminants including volatiles from adhesives and particulate matter. The rooms have high-end filtration systems. They are equipped with air management equipment for creating positive air pressure inside the chamber.

CALIBRATION FACILITY

SGM lab solutions also offer calibration facility to its clients. High accuracy calibration equipments, trained personnel & strict environmental conditions are maintained to ensure low uncertainty of measurement.

SGM calibration laboratory has strength of over twenty five experienced & extensively trained engineers to provide competent and reliable calibrations at laboratory or at customer's site.

SGM's state-of-the-art calibration facility provides recalibration services for a wide range of calibration products and different measurement signals. The calibration facility provides recalibration services for temperature, pressure and electrical signals.

Following Parameters are taken up for the calibration:

- **THERMAL INSTRUMENTS**
- **MECHANICAL INSTRUMENTS**
- **ELECTRICAL INSTRUMENTS**

THERMAL INSTRUMENTS

- | | |
|----|----------------------------|
| 1 | OVEN |
| 2 | HUMIDITY CHAMBER |
| 3 | INCUBATOR |
| 4 | DEEP FREEZER |
| 6 | HOT PLATE |
| 7 | MUFFLE FURNACE |
| 8 | WATER BATH |
| 9 | GLASS THERMOMETER |
| 10 | REFRIGERATOR |
| 12 | THERMOCOUPLE |
| 13 | RTD SENSOR |
| 14 | TEMP. & HUMIDITY INDICATOR |
| 15 | TEMP. INDICATOR |
| 16 | Data Logger With Senser |
| 17 | Laser Gun (up to 400°C) |
| 18 | Laser Gun (up to 1200°C) |

MECHANICAL INSTRUMENTS

- | | |
|---|-----------------------------|
| 1 | VOLUMETRIC GLASSWARES |
| 2 | BALANCE (UPTO 100 KG) |
| 3 | MICROMETER(UPTO 50mm) |
| 4 | VERNIER CALIPER(UPTO 300mm) |
| 5 | MEASURING SCALE(UPTO 5mtr) |
| 6 | STEEL SCALE(UPTO 3mtr) |
| | and Many More..... |

ELECTRICAL INSTRUMENTS

- | | |
|---|--------------------|
| 1 | AMPERE METER |
| 2 | VOLT METER |
| 3 | WATT METER |
| 4 | MILLI AMPERE METER |
| 5 | MICRO OHM METER |
| 7 | POWER FACTOR METER |
| | and Many More..... |

SCM

LAB SOLUTIONS

Division of

SIGMA TEST
& RESEARCH CENTRE



ISO 9001 : 2008



ISO 14001 : 2004



ISO/IEC 17025:2005



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